

Title (en)

INTEGRAL MULTILAYER ANALYTICAL ELEMENT FOR ASSAYING SULFATE-CONJUGATED BILE ACID

Title (de)

INTEGRALES VIELSCHICHTIGES ANALYTISCHES ELEMENT ZUR BESTIMMUNG VON SULFATKONJUGIERTER GALLENsäURE

Title (fr)

ELEMENT ANALYTIQUE MONOBLOC MULTICOUCHE POUR LE TITRAGE DE L'ACIDE BILIAIRE A CONJUGAISON SULFATE

Publication

EP 0781852 A1 19970702 (EN)

Application

EP 95930738 A 19950912

Priority

- JP 9501808 W 19950912
- JP 21866294 A 19940913
- JP 23111194 A 19940927

Abstract (en)

An integral multi-layer analytical element for analyzing bile acid sulfate comprising a support member, a reagent layer on said support member and a porous developing layer on said reagent layer, at least one of the reagent layer and developing layer containing bile acid sulfate sulfatase, 3 beta - hydroxysteroid dehydrogenase and a combination of thio-NAD<+> and reduced NAD or reduced NADP, in which the reagent layer contains a water-soluble polymer, a buffer and at least one component selected from the group consisting of sugar alcohols and Mn<2+>, which element suppresses the increase of blank values and prevents agglomeration of the enzyme during the preparation of a solution for forming the reagent layer. <IMAGE>

IPC 1-7

C12Q 1/44; **C12Q 1/32**; **C12Q 1/00**

IPC 8 full level

C12Q 1/00 (2006.01); **C12Q 1/32** (2006.01); **C12Q 1/34** (2006.01); **C12Q 1/44** (2006.01); **G01N 33/52** (2006.01)

CPC (source: EP US)

C12Q 1/32 (2013.01 - EP US); **C12Q 1/44** (2013.01 - EP US); **G01N 33/526** (2013.01 - EP US); **G01N 2333/904** (2013.01 - EP US); **Y10T 436/13** (2015.01 - EP US); **Y10T 436/146666** (2015.01 - EP US)

Cited by

EP1028165A4

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9608581 A1 19960321; EP 0781852 A1 19970702; EP 0781852 A4 20000412; JP 3864191 B2 20061227; JP H08131193 A 19960528; US 5776779 A 19980707

DOCDB simple family (application)

JP 9501808 W 19950912; EP 95930738 A 19950912; JP 23111194 A 19940927; US 80910897 A 19970313